

### REMARKS

Claims 1-22, 26-38, and 42-54 are presently pending. Applicants have amended claims 1, 8, 9, and 42, cancelled claims 23-25 and 39-41, and have added new claims 46-54. Support for the amendments and new claims can be found throughout the application as filed, including page 7, lines 7-12; page 10, lines 1-4; page 17, lines 19-24; and the claims as filed, e.g., claim 1.

In addition, Applicants have amended the specification at page 10, to correct some obvious typographical errors.

No new matter has been added.

#### Restriction Requirement

In response to the Restriction Requirement mailed June 28, 2006, Applicants elect the invention of Group I, 1-22, 35, and 36, drawn to T2DM1 nucleic acids, vectors and host cells.

Further, for claims 1-5, Applicants elect SEQ ID NO:1. Claim 1 has been appropriately amended. The election is made with traverse, in part. Applicants note that SEQ ID NO:1 is simply longer than SEQ ID NO:3, and includes all of the sequence present in SEQ ID NO:3, and respectfully request that the Examiner kindly consider searching both sequences, as a search for sequences relevant to the longer sequence will include art relevant to the shorter sequence (and vice versa, to some extent).

For claims 6-22, Applicants elect SEQ ID NO:16. The election is made with traverse, in part. Applicants further request that the Examiner kindly consider amended claim 8, which refers to SEQ ID NO:15, as the two sequences (SEQ ID NOs:15 and 16) differ only by a single nucleotide (number 201).

In addition, as the Examiner required election between product and method claims; rejoinder of appropriate method claims upon a finding of patentable product claims is hereby requested.

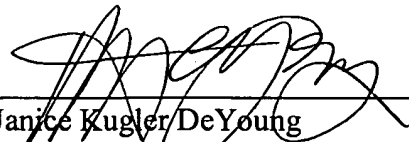
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Serial No. : 10/694,685  
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Page : 11 of 11

Attorney's Docket No.: 10276-078001 / JDP-078

Enclosed is a check for the Petition for Extension of Time fee. Please apply any other charges or credits to deposit account 06-1050, referencing attorney docket no. 10276-078001.

Respectfully submitted,

Date: 10-30-2006

  
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